



# MultiConnect<sup>®</sup> microCell

## USB LTE Cat 4 Global Modem

MultiConnect<sup>®</sup> microCell is a compact and simple communications platform that provides cellular capabilities for fixed and mobile applications. Intended for use in settings such as vending, smart parking, medical, smart inventory tracking equipment and commercial applications.

The MultiConnect microCell is part of MultiTech's comprehensive portfolio of cellular connectivity products optimized for M2M (machine-to-machine) applications. The MultiConnect microCell comes with support for Windows and Linux drivers to ensure a plug-and-play experience.

MultiConnect microCell has one USB communication port which is also used for power, and external SMA connectors to accommodate two external antennas for cellular connectivity. This standalone USB-to-cellular device supports LTE Cat 4 technology and is intended to provide basic cellular communication and security such as SSL/TLS 1.2 or higher. It relies heavily on the asset to provide advanced firewall and networking capabilities such as private tunneling, MAC filtering, SNMP, etc.

### BENEFITS

- Compact and rugged design
- Quick-to-market deployments
- Long and stable lifecycle

### FEATURES

- Global capable 4G-LTE Cat 4
- Regulatory approved for North America, Europe, Australia, Japan and South Korea
- USB for data and power
- Configured using AT commands
- Two-year warranty



[www.multitech.com/microcell](http://www.multitech.com/microcell)

## SPECIFICATIONS

Models	MTCM2-L4G1D
Performance	LTE Cat 4 Worldwide LTE, UMTS/HSPA+ and GSM/GPRS/EDGE coverage
Frequency Band (MHz)	3GPP Release 11 <b>4G LTE FDD:</b> B1(2100), B2(1900), B3(1800), B4(AWS1700), B5(850), B7(2600), B8(900), B12/B13(700), B18(850), B19(850), B20(800), B25(1900), B26(850), B28(700) TDD: B38(2600), B39(1900), B40(2300), B41(2500) <b>3G UMTS:</b> B1(2100), B2(1900), B4(AWS1700), B5(850), B6(800), B8(900), B19(850) <b>2G GSM:</b> B2(1900), B3(1800), B5(850), B8(900)
Packet Data*	Up to 150 Mbps downlink / Up to 50 Mbps uplink
Diversity /MIMO	Rx Diversity and MIMO DL 2x2
Operating System Support	Windows 7/8/8.1 and 10 Linux (2.6.x or greater)
Power Requirements	
Voltage	USB powered - 5V
Connectors	
RF Antenna	External 50 ohm SMA (female connector)
SIM	Micro SIM (3FF); 1.8 and 3V
USB	USB Type A
Physical Description	
Physical Dimensions (LxWxH)	2.45" x 1.79" x 0.78" (6.22 x 4.54 x 1.98 cm)
Physical Weight	0.5 lbs (.227 Kg)
Chassis Type	Aluminum
Environmental	
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Relative Humidity	15% to 85% operating and storage
Certifications	
Regulatory Compliance	CE Mark, RED, FCC, RCM, IC, JATE/TELEC, KC, UKCA
Safety	IEC 60950-1 2nd ED, IEC 62368-1
Carrier	AT&T, T-Mobile and Verizon
Quality	MIL-STD-810G: High Temp, Low Temp, Cold Dwell, Random Vibration and Sine Vibration SAE J1455: Random Vibration and Sine Vibration
Warranty	2-Years / <a href="http://www.multitech.com/legal/warranty">www.multitech.com/legal/warranty</a>

\* Actual performance speeds may be affected by a variety of attributes such as cell tower distance, data loads, packet sizes, etc.

## ORDERING INFORMATION

### MultiConnect microCell

Model	Description	Region
MTCM2-L4G1D-B03-KIT	LTE Cat 4 USB Modem with Accessory Kit	Global

Accessory Kit includes two cellular antennas.

Go to [www.multitech.com](http://www.multitech.com) for detailed product model numbers. Use ordering codes for specific build options.

Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice.

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## Services & Warranty

MultiTech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations.

## Technical Support Services

At MultiTech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your MultiTech representative or visit [www.multitech.com/support.go](http://www.multitech.com/support.go)

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